



# Test Report

No.: ETR25703506

Date: 28-Jul-2025

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SHINKONG SYNTHETIC FIBERS CORPORATION

SHINKONG APPLIED MATERIALS (JIANGSU) COMPANY LIMITED

LOTUS BUILDING, 5F, NO.136, SEC.3, REN AI ROAD, DA AN DISTRICT, TAIPEI CITY 10657, TAIWAN

NO.1, HUAFA ROAD, TANGZHOU ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, YANGZHOU  
JIANGSU, CHINA

## The following sample(s) was/were submitted and identified by the applicant as:

Sample Submitted By : SHINKONG SYNTHETIC FIBERS CORPORATION

Sample Name : THERMOPLASTIC POLYESTER RESIN

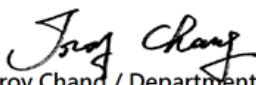
Style/Item No. : SHINITE® PET T102G30BK

Sample Receiving Date : 21-Jul-2025

Testing Period : 21-Jul-2025 to 28-Jul-2025

**Test Requested** : (1) As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).

(2) Please refer to next pages for the other item(s).  
**Test Results** : Please refer to following pages.

  
Troy Chang / Department Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory - Taipei



PIN CODE: FCED7C4B

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JIANGSU, CHINA

## Test Part Description

No.1 : BLACK PLASTIC PELLETS

## Test Result(s)

| Test Item(s)               | Method                                                                              | Unit  | MDL | Result |
|----------------------------|-------------------------------------------------------------------------------------|-------|-----|--------|
|                            |                                                                                     |       |     | No.1   |
| Cadmium (Cd)               | With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.             | mg/kg | 2   | n.d.   |
| Lead (Pb)                  |                                                                                     | mg/kg | 2   | 4.75   |
| Mercury (Hg)               | With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES. | mg/kg | 2   | n.d.   |
| Hexavalent Chromium Cr(VI) |                                                                                     | mg/kg | 8   | n.d.   |
| Monobromobiphenyl          | With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.               | mg/kg | 5   | n.d.   |
| Dibromobiphenyl            |                                                                                     | mg/kg | 5   | n.d.   |
| Tribromobiphenyl           |                                                                                     | mg/kg | 5   | n.d.   |
| Tetrabromobiphenyl         |                                                                                     | mg/kg | 5   | n.d.   |
| Pentabromobiphenyl         |                                                                                     | mg/kg | 5   | n.d.   |
| Hexabromobiphenyl          |                                                                                     | mg/kg | 5   | n.d.   |
| Heptabromobiphenyl         |                                                                                     | mg/kg | 5   | n.d.   |
| Octabromobiphenyl          |                                                                                     | mg/kg | 5   | n.d.   |
| Nonabromobiphenyl          |                                                                                     | mg/kg | 5   | n.d.   |
| Decabromobiphenyl          |                                                                                     | mg/kg | 5   | n.d.   |
| Sum of PBBs                |                                                                                     | mg/kg | -   | n.d.   |
| Monobromodiphenyl ether    |                                                                                     | mg/kg | 5   | n.d.   |
| Dibromodiphenyl ether      |                                                                                     | mg/kg | 5   | n.d.   |
| Tribromodiphenyl ether     |                                                                                     | mg/kg | 5   | n.d.   |
| Tetrabromodiphenyl ether   |                                                                                     | mg/kg | 5   | n.d.   |
| Pentabromodiphenyl ether   |                                                                                     | mg/kg | 5   | n.d.   |
| Hexabromodiphenyl ether    |                                                                                     | mg/kg | 5   | n.d.   |
| Heptabromodiphenyl ether   |                                                                                     | mg/kg | 5   | n.d.   |
| Octabromodiphenyl ether    |                                                                                     | mg/kg | 5   | n.d.   |
| Nonabromodiphenyl ether    |                                                                                     | mg/kg | 5   | n.d.   |
| Decabromodiphenyl ether    |                                                                                     | mg/kg | 5   | n.d.   |
| Sum of PBDEs               |                                                                                     | mg/kg | -   | n.d.   |

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JIANGSU, CHINA

| Test Item(s)                                                                                                                                                                                             | Method                                                                | Unit  | MDL | Result |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------|-----|--------|
|                                                                                                                                                                                                          |                                                                       |       |     | No.1   |
| Butyl benzyl phthalate (BBP)                                                                                                                                                                             | With reference to IEC 62321-8: 2017, analysis was performed by GC/MS. | mg/kg | 50  | n.d.   |
| Dibutyl phthalate (DBP)                                                                                                                                                                                  |                                                                       | mg/kg | 50  | n.d.   |
| Di-(2-ethylhexyl) phthalate (DEHP)                                                                                                                                                                       |                                                                       | mg/kg | 50  | n.d.   |
| Diisobutyl phthalate (DIBP)                                                                                                                                                                              |                                                                       | mg/kg | 50  | n.d.   |
| Diisodecyl phthalate (DIDP) (CAS No.: 26761-40-0, 68515-49-1)                                                                                                                                            |                                                                       | mg/kg | 50  | n.d.   |
| Diisononyl phthalate (DINP) (CAS No.: 28553-12-0, 68515-48-0)                                                                                                                                            |                                                                       | mg/kg | 50  | n.d.   |
| Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0)                                                                                                                                                          |                                                                       | mg/kg | 50  | n.d.   |
| Diundecyl phthalate (DUP) (CAS No.: 3648-20-2)                                                                                                                                                           |                                                                       | mg/kg | 50  | n.d.   |
| Di-n-pentyl phthalate (DNPP) (CAS No.: 131-18-0)                                                                                                                                                         |                                                                       | mg/kg | 50  | n.d.   |
| Bis(2-methoxyethyl) phthalate (DMEP) (CAS No.: 117-82-8)                                                                                                                                                 |                                                                       | mg/kg | 50  | n.d.   |
| Dipropylheptyl phthalate (CAS No.: 53306-54-0)                                                                                                                                                           |                                                                       | mg/kg | 50  | n.d.   |
| Di-n-hexyl phthalate (DNHP) (CAS No.: 84-75-3)                                                                                                                                                           |                                                                       | mg/kg | 50  | n.d.   |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ - HBCDD, $\beta$ - HBCDD, $\gamma$ - HBCDD) (CAS No.: 25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)) | With reference to IEC 62321-9: 2021, analysis was performed by GC/MS. | mg/kg | 20  | n.d.   |

## Note :

1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected ( Less than MDL)
4. "-" = Not Regulated

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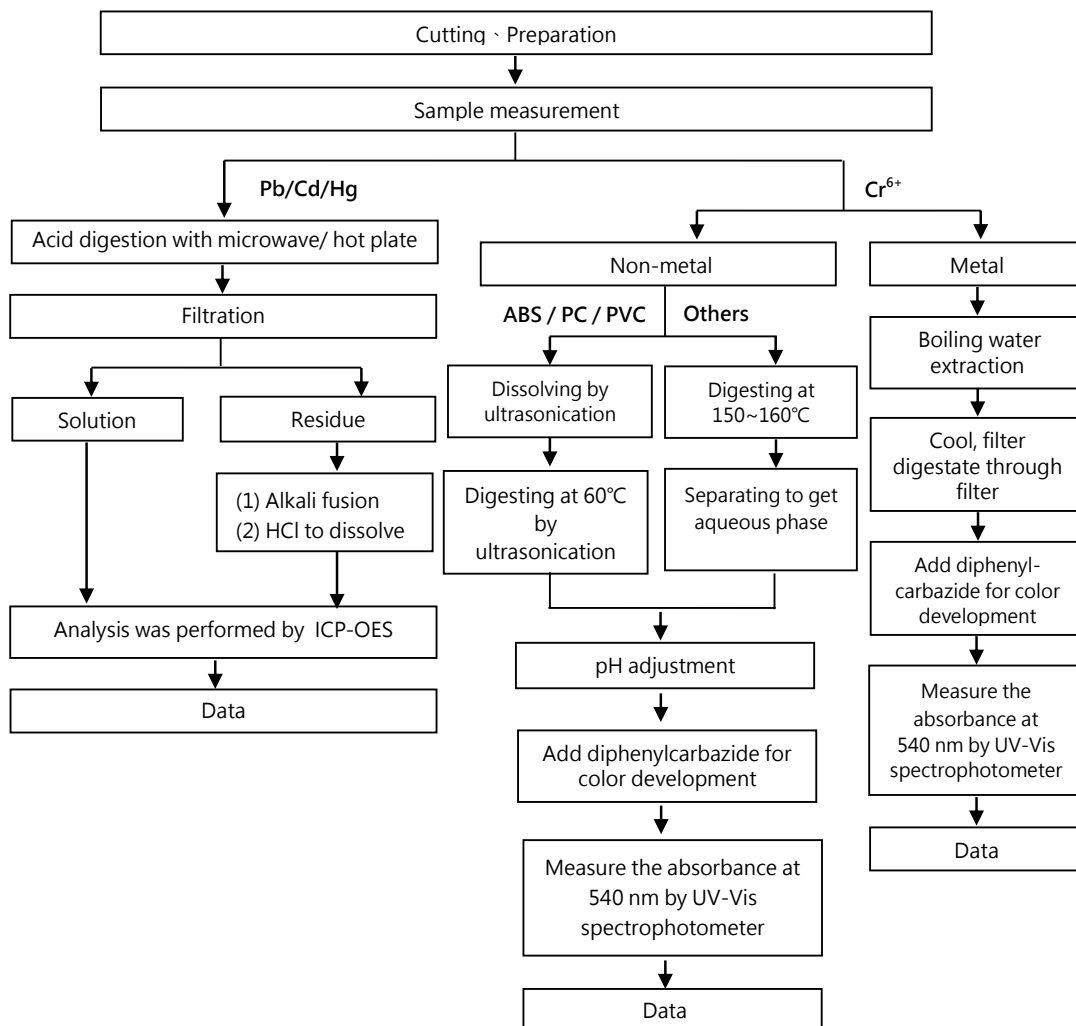
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## Analytical flow chart of heavy metal

These samples were dissolved totally by pre-conditioning method according to below flow chart.

(  $\text{Cr}^{6+}$  test method excluded )



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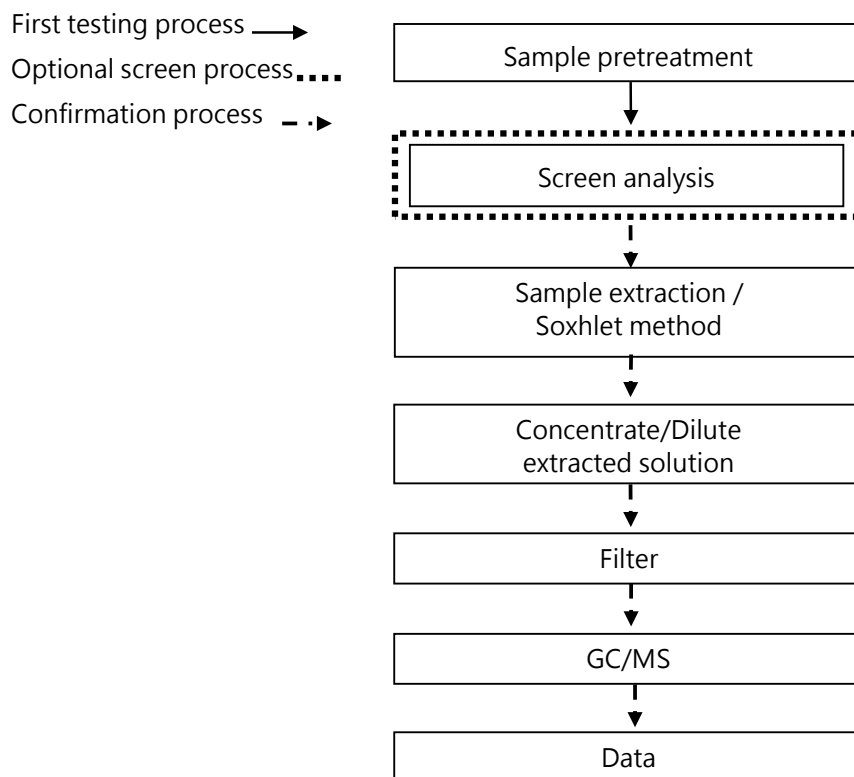
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## Analytical flow chart – PBBs / PBDEs



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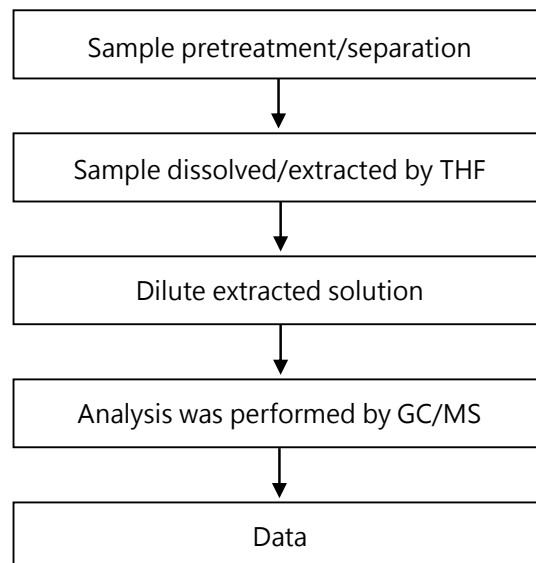
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## Analytical flow chart - Phthalate

【Test method: IEC 62321-8】



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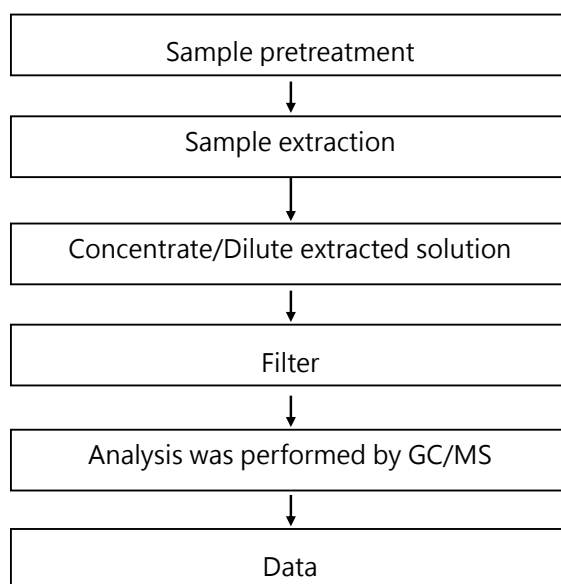
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## Analytical flow chart - HBCDD



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\* The tested sample / part is marked by an arrow if it's shown on the photo. \*

### ETR25703506



\*\* End of Report \*\*

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